Please read and comply with these original instructions prior to the initial operation of your appliance and store them for later use or subsequent owners.

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Environmental protection

	The packaging material can be recycled. Please do not throw the packaging material into household waste; please send it for recycling.
	Old appliances contain valuable materials that can be recycled; these should be sent for recycling. Batteries, oil, and similar substances must not enter the environment. Please dispose of your old appliances using appropriate collection systems.

Notes about the ingredients (REACH)
You will find current information about the ingredients at:
http://www.karcher.de/de/unternehmen/umweltschutz/REACH.htm

Symbols in the operating instructions

⚠ ***Danger***

Immediate danger that can cause severe injury or even death.

⚠ ***Warning***

Possible hazardous situation that could lead to severe injury or even death.

Caution

Possible hazardous situation that could lead to mild injury to persons or damage to property.

Proper use

Use this appliance only as directed in these operating instructions.

– The appliance is used for cleaning of hard surfaces and carpets in the interior of buildings.
– The appliance may only be equipped with original accessories and spare parts.
– The appliance is not suited for the use in potentially explosive environments.
– This appliance is suited for the commercial use, e.g. in hotels, schools, hospitals, factories, shops, offices, and rental companies.

Safety instructions

Before using the appliance for the first time, read and observe these operating instructions and the accompanying brochure: Safety information for Disc single-pulley machine machines No. 5.956-659.

Safety Devices

Safety devices serve to protect the user and must not be rendered inoperational or their functions bypassed.

Lock

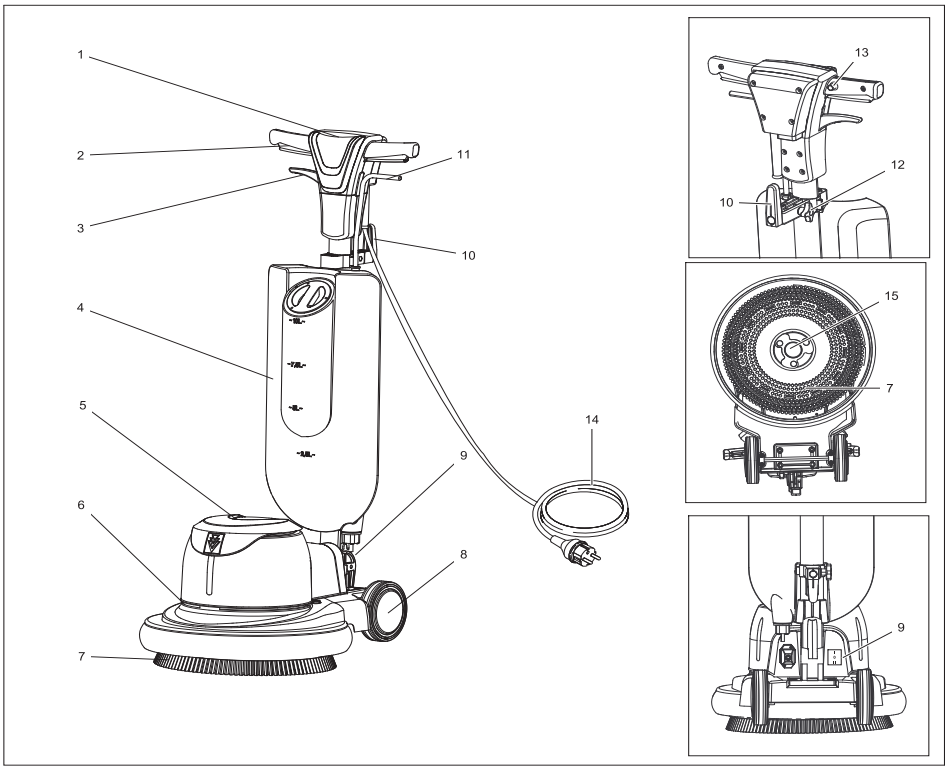
Prevents the appliance from being switched on accidentally. To start the appliance, first press the unlock button and then the ON/OFF switch.

Install the push rod

Prior to operation, the push rod must be installed as shown and the appliance has to be connected to power.

Illustrations on the inside of the front cover

Device elements



1 Handle
2 Switch ON / OFF
3 Lever for level adjustment
4 Detergent tank (option)
5 Motor casing
6 Support to additonal weight (option)
7 Brush / pad driver plate with pad
8 Wheel
9 Speed switch (BDS 43/Duo C only)
10 Cable hook, rotating
11 Dosing lever for detergent solution
12 Star handle screw
13 Unlocking button
14 Power cord
15 Actuator, disc brush / pad driver plate

Start up

➔ Check the mains cable regularly for damage such as aging or formation of cracks. If you find a damage, then the cable must be replaced before using it any further.

➔ Check appliance for damage, have damages repaired by customer service.

Power connection

– For connection values, see technical data and type plate.

– The electrical connections must be done by an electrician according to IEC 60364-1.

⚠ ***Danger***

Risk of electric shock.

– *Do not drive over the mains cable.*

⚠ ***Danger***

Risk of injury.

– *Never wrap the mains cable around your body or your neck.*

– *Do not let the mains cable come in contact with the rotating brushes or rotating pads.*

Caution

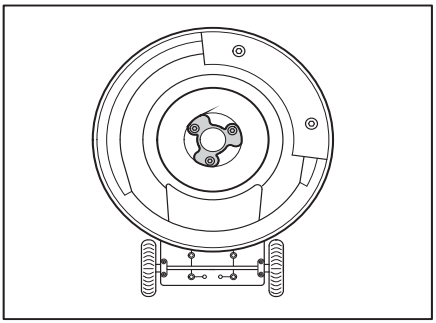
The highest allowed net impedance at the electrical connection point (refer to technical data) is not to be exceeded. In case of confusion regarding the power impedance present on your connection, please contact your utilities provider.

Attach the brush/pad

➔ Disconnect the mains plug from the socket.

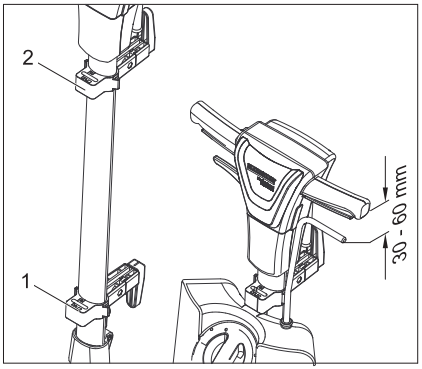
➔ Pull the lever for level adjustment and bring the handle toward the front into a vertical position.

➔ Tilt the appliance rearward.



➔ Place the disc brush/driver plate onto the actuator and turn in anti-clockwise direction.

Install the detergent tank (option)



1 Upper holder

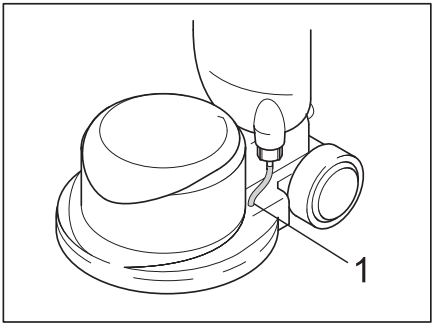
2 Lower holder

➔ Undo the star handle screws on the top and bottom supports.

➔ Hang the detergent tank (option) into the lower support.

➔ Align and affix the detergent tank (option) by sliding the two supports.

➔ Screw the star handle screws onto the supports.



1 Hose

➔ Insert the hose from the detergent tank (option) into the bore on the casing. Ensure that it is positioned properly.

Fill the detergent tank (option)

⚠ ***Warning***

Risk of damage. Only use the recommended detergents. With respect to different detergents the operator bears the increased risk regarding the operational safety and danger of accident. Only use detergents that are free from solvents, hydrochloric acid and hydrofluoric acid.
Follow the safety instructions for using detergents.

➔ Remove the lid.

➔ Fill detergent solution into the detergent tank.

➔ Replace the lid.

Install the additional weight (option) (does not apply to BDS 33/190 C and BDS 43/Duo C)

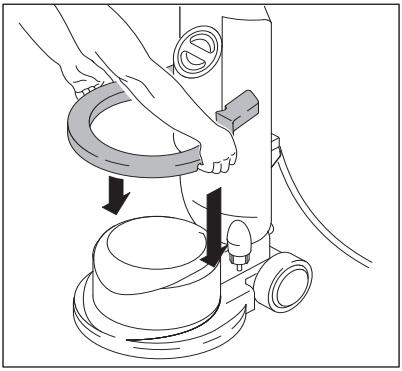
The additional weight (option) is used in cases of severe contamination to achieve an increased contact pressure.

Note

This higher contact pressure leads to a quicker wear and tear on the brushes. Only use the additional weight (option) if necessary.

Caution

Crush hazard. Only lift the additional weight (option) by its intended recesses.



➔ Lift the additional weight (option) by its recesses.

➔ Place the additional weight (option) onto the appliance.

Operation

⚠ ***Warning***

Risk of injury! The operation of the appliance requires practice.
- *Ensure that there are no obstacles in the area to be cleaned.*
- *Check the floor consistency for its suitability.*
- *The handling becomes more difficult with uneven or rough surfaces.*

Adjust handle

➔ Pull the lever for level adjustment.

➔ Tilt the handle into a comfortable position (arms outstretched).

➔ Release the lever for level adjustment.

Turning on the Appliance

Caution

Risk of damage to the floor covering. Do not operate the appliance on the spot.

➔ Insert the mains plug into a socket.

➔ Set handle to working height.

➔ Hold the handle with both hands.

➔ Press and hold the unlocking button.

➔ Use the ON/OFF switch.

➔ Release the unlocking button.

➔ Release the switch to interrupt operation.

Control the direction

- **Left:** Press the handle downward.
- **Right:** Raise the handle.

Cleaning

➔ Apply the detergent solution to the floor or use the dosing lever of the detergent tank (option).
➔ Move the appliance over the surface to be cleaned.
➔ Repeat process for severe contamination.
➔ Afterwards, pick up the wastewater with a wet vacuum or a cloth.

Adjust the speed (BDS 43/Duo C)

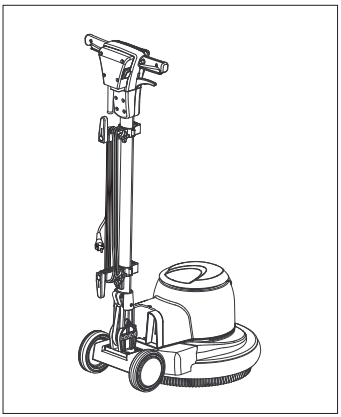
Caution

Risk of injury, risk of damage. The speed switch may only be used while the appliance is idle.

➔ Turn off the appliance.
➔ Select the desired speed via the speed switch:
- Position I = 150 U/min
- Position II = 300 U/min

Shutting down

➔ Disconnect the mains plug from the socket.
➔ Pull the lever for level adjustment and bring the handle in a vertical position.
➔ Remove the detergent tank (option) and dispose of unused detergent solution.
➔ Swivel the top cable hook downward.



➔ Coil the mains cable as shown.
➔ Swivel the top cable hook upward.
➔ Rinse the detergent tank (option) with clear water.
➔ Place the appliance into the parking position.
➔ Remove the driver plate / disc brush.
➔ Clean the casing with a damp cloth.

Transport

Caution

Risk of injury and damage! Observe the weight of the appliance when you transport it.

➔ Swivel the handle vertically and lock it.
➔ Tilt the appliance backwards into the transport position and drive it to its destination location.
➔ When transporting in vehicles, secure the appliance according to the guidelines from slipping and tipping over.

Storage

Caution

Risk of injury and damage! Note the weight of the appliance in case of storage.

➔ Place the appliance into the parking position.
➔ Store the appliance in a dry room, frost-protected room.

Maintenance and care

➔ Rinse contaminated disc brushes with water.
➔ Wash contaminated pads at a max. temperature of 60 °C.
➔ Clean the casing with a damp cloth.
➔ Check the mains connection cable for damages.

Troubleshooting

⚠ ***Danger***

Risk of injury. Pull the plug from the mains before carrying out any tasks on the appliance.

In case of faults that cannot be remedied using the table below please contact the customer service.

Fault	Remedy
Insufficient cleaning result	Replace contaminated pads and wash them at a max. temperature of 60 °C.
	Replace worn disc brush / pad.
	Rinse contaminated disc brushes with water
	Check the suitability of brush/pad and detergent for the respective use.
Appliance vibrates strongly	Check for correct seating of disc brush/pad.
	Check pad attachment.
	Position the handle lower (arms outstretched).
Pad does not turn	Check if foreign bodies are blocking the brush/pad; remove the foreign bodies if required.

Warranty

The warranty terms published by the relevant sales company are applicable in each country. We will repair potential failures of your appliance within the warranty period free of charge, provided that such failure is caused by faulty material or defects in manufacturing. In the event of a warranty claim please contact your dealer or the nearest authorized Customer Service centre. Please submit the proof of purchase.

Accessories and Spare Parts

- Only use accessories and spare parts which have been approved by the manufacturer. The exclusive use of original accessories and original spare parts ensures that the appliance can be operated safely and trouble free.
- At the end of the operating instructions you will find a selected list of spare parts that are often required.
- For additional information about spare parts, please go to the Service section at www.kaercher.com.

Description	Part no.:
10 litre tank	4.071-201.0
Suction unit including suction hoses	6.812-035.0

BDS 33/190 C

Description	Part no.:
Disc brush, medium, red 330 mm	6.369-890.0
Disk brush, hard, black, 330 mm	6.369-893.0
Shampooing brush, medium soft, white/blue, 330 mm	6.369-891.0
Pad driver plate, low speed, 330 mm	6.369-894.0
Pads, medium, red 330 mm	6.369-905.0
Pads, medium hard, green, 330 mm	6.369-906.0
Pads, hard, black, 330 mm	6.369-907.0

BDS 43/150 C /DUO

Description	Part no.:
Disc brush, medium, red 430mm	6.369-895.0
Disk brush, hard, black, 430mm	6.369-898.0
Shampooing brush, medium soft, white/blue, 430mm	6.369-896.0

Description	Part no.:
Pad driver plate, low speed, 430 mm for BDS	6.369-899.0
Pad driver plate, high speed, 430 mm (for BDP and DUO)	6.369-900.0
Pad driver plate, duo speed, 430 mm (for all models)	6.369-901.0
Pads, medium, red 432mm	6.369-470.0
Pads, medium hard, green, 432mm	6.369-472.0
Pads, hard, black, 432mm	6.369-473.0
Additional weight, 10 kg	6.369-910.0
Suction ring	6.612-051.0

CE Declaration

We hereby declare that the machine described below complies with the relevant basic safety and health requirements of the EU Directives, both in its basic design and construction as well as in the version put into circulation by us. This declaration shall cease to be valid if the machine is modified without our prior approval.

Product: Disc appliances
Type: 1.291-xxx
Relevant EU Directives
2006/42/EC (+2009/127/EC)
2004/108/EC
Applied harmonized standards
EN 55014–1: 2006 + A1: 2009
EN 55014–2: 1997 + A2: 2008
EN 60335–1
EN 60335–2–67
EN 61000–3–2: 2006 + A2: 2009
EN 61000–3–3: 2008
Applied national standards
-

The undersigned act on behalf and under the power of attorney of the company management.

H. Jenner
CEO

i.V. Reiser
S. Reiser
Head of Approbation

Authorised Documentation Representative
S. Reiser

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Winnenden, 2010/12/01

Technical specifications

		BDS 33/ 190 C	BDS 43/ 150 C	BDP 43/ 410 C	BDS 43/ Duo C
Power connection					
Mains voltage	V/Hz	220 - 240/50Hz 220/60Hz			230 / 50Hz 220/60Hz
Motor output	W	500	1000	1300	1000/1300
Maximum allowed net impedance	Ohm	--	(0.351+j2.220)	(0.351+j2.220)	(0.351+j2.220)
Type of protection		IPX4	IPX4	IPX4	IPX4
Brush/pad					
Diameter	mm	330	430	430	430
Speed	1/min	191 +/- 15	152 +/- 15	408 +/- 15	150/300 +/- 15
Contact pressure	N/cm^2	37	41	45	42
Dimensions and weights					
Weight (without accessories)	kg	22	41	46,5	42,5
Dimensions (l x b x h)	mm	420 x 330 x1100	550 x 430 x1180	550 x 430 x1180	550 x 430 x1180
Top clearance	mm	260	330	330	330
Cable length	m	12	12	15	15
Values determined as per EN 60335-2-67					
Total oscillation value	m/s^2	<2,5	<2,5	<2,5	<2,5
Uncertainty K	m/s^2	0,3	0,2	0,3	0,2
Sound pressure level L_{pA}	dB(A)	59	61	65	67
Uncertainty K_{pA}	dB(A)	1	1	1	1
Sound power level L_{WA} + Uncertainty K_{WA}	dB(A)	79	78	83	84